

1. A fruit juice extraction apparatus comprising:
a chassis having mounted thereon juice
extraction means;

5 said juice extraction means having means for
storing said fruit, said storing means having an aperture
therein for allowing articles of said fruit to be
deposited between two concave hemispheres;

10 drive means for actuating means for forcing the
first of said concave hemispheres against the second of
said concave hemispheres, thereby pressing an article of
said fruit deposited between said hemispheres;

15 said first concave hemisphere having a central
pin and said second concave hemisphere a perforating tube
for the extraction of juice from said article of fruit,
whereby the solid residue is deposited in a receptacle
and the liquid is passed through a filter and then falls
into a reservoir which has outlet ports therein, said
perforating tube having multiple transverse slits of
increasing diameter from inside to outside.

20 2. A fruit juice extraction apparatus comprising:
a chassis having mounted thereon juice
extraction means;

said juice extraction means having a container

for storing said fruit, said container having an aperture therein for allowing articles of said fruit to be deposited between two concave hemispheres;

5 a motor for actuating means for forcing the first of said concave hemispheres against the second of said concave hemispheres, thereby pressing an article of said fruit deposited between said hemispheres;

10 said first concave hemisphere having a central pin and said second concave hemisphere a perforating tube for the extraction of juice from said article of fruit, whereby the solid residue is deposited in a receptacle and the liquid is passed through a filter and then falls into a reservoir which has outlet ports therein, said perforating tube having multiple transverse slits of
15 increasing diameter from inside to outside.

3. A fruit juice extraction apparatus comprising:

a chassis having mounted thereon juice extraction means;

20 said juice extraction means having a container for storing said fruit, said container having an aperture therein and means for releasing an article of said fruit for allowing said article of said fruit to be deposited between two concave hemispheres;

deposited between two concave hemispheres;

drive means for actuating means for forcing the first of said concave hemispheres against the second of said concave hemispheres, thereby pressing an article of said fruit deposited between said hemispheres;

said first concave hemisphere having a central pin and said second concave hemisphere a perforating tube for the extraction of juice from said article of fruit, whereby the solid residue is deposited in a receptacle and the liquid is passed through a filter and then falls into a reservoir which has outlet ports therein, each of said concave hemispheres having its concave surface defined by a plurality of spaced-apart radial blades.

5. The apparatus of CLAIM 4, wherein said radial blades of each of said hemispheres depend from a base mounted to said chassis.

6. The apparatus of CLAIM 5, wherein said radial blades of each of said hemispheres are of at least two different lengths.

7. The apparatus of CLAIM 4, wherein when said first hemisphere is forced against said second hemisphere, said radial blades of said first hemisphere are positioned intermediate said radial blades of said

second hemisphere.

8. The apparatus of CLAIM 4, wherein when said
first hemisphere is forced against said second
hemisphere, said radial blades of said first hemisphere
5 are positioned intermediate said radial blades of said
second hemisphere.